



**Figure S1.** The relationship between intestine length and body mass among sampled Tanganyikan cichlid species. Each symbol represents one individual, and colors indicate trophic guilds. A different symbol type is used for each species within a guild. The line indicates the typical relationship between intestine length and mass, which was used to derive the intestine length index for every individual in the cichlid species survey. The slope of the relationship is the average of the slopes calculated separately from each guild after excluding two outlier species: *Boulengerochromis microlepis* (\*) and *Cyphotilapia frontosa* (▲).